Spin meeting minutes, 3/7/2007

Haixin gave an update on the readiness of AGS pp run. CNI polarimeter targets and Americium source (for Si detector calibration) have been installed last Friday. Before the installation, the old target was used for gold beam. The target survived the gold beam but no carbon was seen. It could be due to the fact that the timing was not adjusted properly yet. E20 snake power supply test was done but we still have trouble to turn on I10 snake (solenoid). It would be a subject for AGS access tomorrow. The cold snake cool down needs 4 weeks and has not started yet. Mei reported that AGS BBQ needs to borrow a control board from RHIC one, but it is understood that AGS one has lower priority. Haixin suggested using down ramp (above transition) to check analyzing power of CNI polarimeter. It would depends on how much time can be allocated for AGS pp development.

The current expectation is that RHIC will be in smooth physics run in the middle of April and NSRL carbon run will start around the same time. Past experience showed that the mode switching between RHIC and NSRL caused 10% performance and gold beam daily maintenance is necessary. When RHIC activity resumes, it probably is natural to focus AGS gold beam activity on RHIC requirement (intensity, stability) before the mid-April. On the other hand, proton beam can cope with NSRL ion beam in the Booster. Any modeling related work can continue after mid-April, if needed. The daily gold beam maintenance is more of a problem than the NSRL for the AGS pp program. Before we turn on the cold snake, some model related study in the AGS could be carried out at the time. The AGS pp plan would need to take the parallel running programs into account. A separate meeting will discuss the strategy, rules of running these programs in parallel.

Kevin and Leif briefly reported the progress on tune measurement and modeling of bare AGS lattice (no quads, skew quads and sextupoles). The machine is highly coupled as bare. skew quads and solenoid are necessary to decouple the machine. Several data sets have been taken and more is coming. The plan is to get ORM data with bare machine at injection and extraction. Other sets of data include high tunes (similar to pp setup) at injection and extraction.

Haixin